

Sgo1(Phospho Ser14) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP14171
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	The antiserum was produced against synthesized peptide derived from human SGO1 around the phosphorylation site of Ser14. AA range:1-50
Mol wt	64190
Species reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Recommended application	IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Shugoshin-like 1
Synonyms	Shugoshin-like 1; SGOL1; SGO1; Shugoshin-like 1; hSgo1; Serologically defined breast cancer antigen NY-BR-85

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by this gene is a member of the shugoshin family of proteins. This protein is thought to protect centromeric cohesin from cleavage during mitotic prophase by preventing phosphorylation of a cohesin subunit. Reduced expression of this gene leads to the premature loss of centromeric cohesion, mis-segregation of sister chromatids, and mitotic arrest. Evidence suggests that this protein also protects a small subset of cohesin found along the length of the chromosome arms during mitotic prophase. An isoform lacking exon 6 has been shown to play a role in the cohesion of centrioles (PMID: 16582621 and PMID:18331714). Mutations in this gene have been associated with Chronic Atrial and Intestinal Dysrhythmia (CAID) syndrome, characterized by the co-occurrence of Sick Sinus Syndrome (SSS) and Chronic Intestinal Pseudo-obstruction (CIPO) within the first four decades of life (PMID:25282101). Fibro

Recommended Dilution

IHC-p: 1: 100 - 1: 300

ELISA: 1: 5000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year